

Title (en)  
Process for the production of terephthalic acid.

Title (de)  
Verfahren zur Herstellung von Terephthalsäure.

Title (fr)  
Procédé de production d'acide téréphthalique.

Publication  
**EP 0498591 A2 19920812 (EN)**

Application  
**EP 92300888 A 19920203**

Priority  
GB 9102393 A 19910205

Abstract (en)  
Terephthalic acid is produced by oxidation of para xylene, purified in an aqueous phase and recovered by precipitating a purified product from the aqueous phase, the aqueous phase mother liquor is then cooled or evaporated to produce a further less pure precipitate and a second mother liquor and the less pure precipitate is returned to the reaction medium and/or the water of the second mother liquor is used to dissolve the crude solid and/or the second mother liquor is treated to recover water which is used to wash the precipitate recovered from the aqueous solution. The process produces better yields of terephthalic acid, reduces the use of water and reduces problems in the disposal of polluted waste water. <IMAGE>

IPC 1-7  
**C07C 51/265**; **C07C 51/44**; **C07C 51/487**; **C07C 63/26**

IPC 8 full level  
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Cited by  
CN102798679A; US5583254A; US5961942A; US6137001A; TR27405A; AU683641B2; US5741927A; CN100355716C; MY119724A; US5612007A; US5723656A; AU703997B2; EP0754673A1; EP0722927A1; EP0502628A3; US5527957A; US5563293A; US5679846A; US5877346A; WO2015094911A1; US6254779B1; WO9639595A1; WO9611899A1; WO9324440A1; WO2004060847A1; WO2004063135A1; US6765113B2; US7238833B2; WO9841478A1; WO9419082A1; US7935844B2; US7935845B2; US8173834B2; US8779185B2

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